PATENT ABSTRACTS OF JAPAN

(11)Publication number:

11-023083

(43) Date of publication of application: 26.01.1999

(51)Int.CI.

F25B 9/00

F25B 9/06

(21)Application number : **09–179898**

(71)Applicant: TOCHIGI FUJI IND CO LTD

(22)Date of filing:

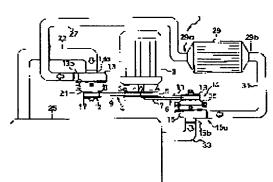
04.07.1997

(72)inventor: TERAOKA MASAO

SAYAMA MASAYUKI

OCHIAI TOMIAKI AIKAWA MASASHI

(54) COOLER



(57)Abstract:

PROBLEM TO BE SOLVED: To enhance the efficiency of a radial turbine without restricting rotational speeds of a centrifugal compressor and a radial turbine to the same speed.

SOLUTION: A centrifugal compressor 13 driven by a motor 3 through a first change gear 12 having a specified speed increasing ratio, an intercooler 29 and a radial turbine 15 for adiabatically expanding cooled air and supplying low temperature air to a cooling chamber and transmitting power to the motor 3 through a second change gear 14 having a specified speed reduction ratio are provided.